

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW ICB AT THE INTERSECTION OF ACTON LANE AND WESTERN PARKWAY IN CHARLES COUNTY.

INTERSECTION OPERATION

A TWO CIRCUIT FLASHER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A ALTERNATING FLASH MODE WITH THE MAIN LINE (ACTON LANE) FLASHING YELLOW AND THE SIDE STREET (WESTERN PARKWAY) FLASHING RED.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GREG WELKER DISTRICT ENGINEER
PHONE: (410) 841-1001
MS. KIMBERLY TRAN, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 840-1003
MR. JOHN S. MAY, ASSISTANT DISTRICT ENGINEER - UTILITY
PHONE: (410) 841-1039
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

THE POWER COMPANY REPRESENTATIVE IS:

SMECO
MR. CHUCK STONE
4414 CRAIN HIGHWAY
WHITE PLAINS, MARYLAND 20695
(301) 705-8686

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNIT	QUANTITY
900000	TWO CIRCUIT FLASHER	EA	1
973004	CONTROLLER AND CABINET (NEMA 6)	EA	1
973023	SHEET ALUMINIUM SIGNS CONSISTING OF: D3-2 (16"X VAR.") MAST ARM MOUNT R3-5(L)(30"x36") MAST ARM MOUNT R3-5(R)(30"x36") MAST ARM MOUNT	SF EA EA	90 3 1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

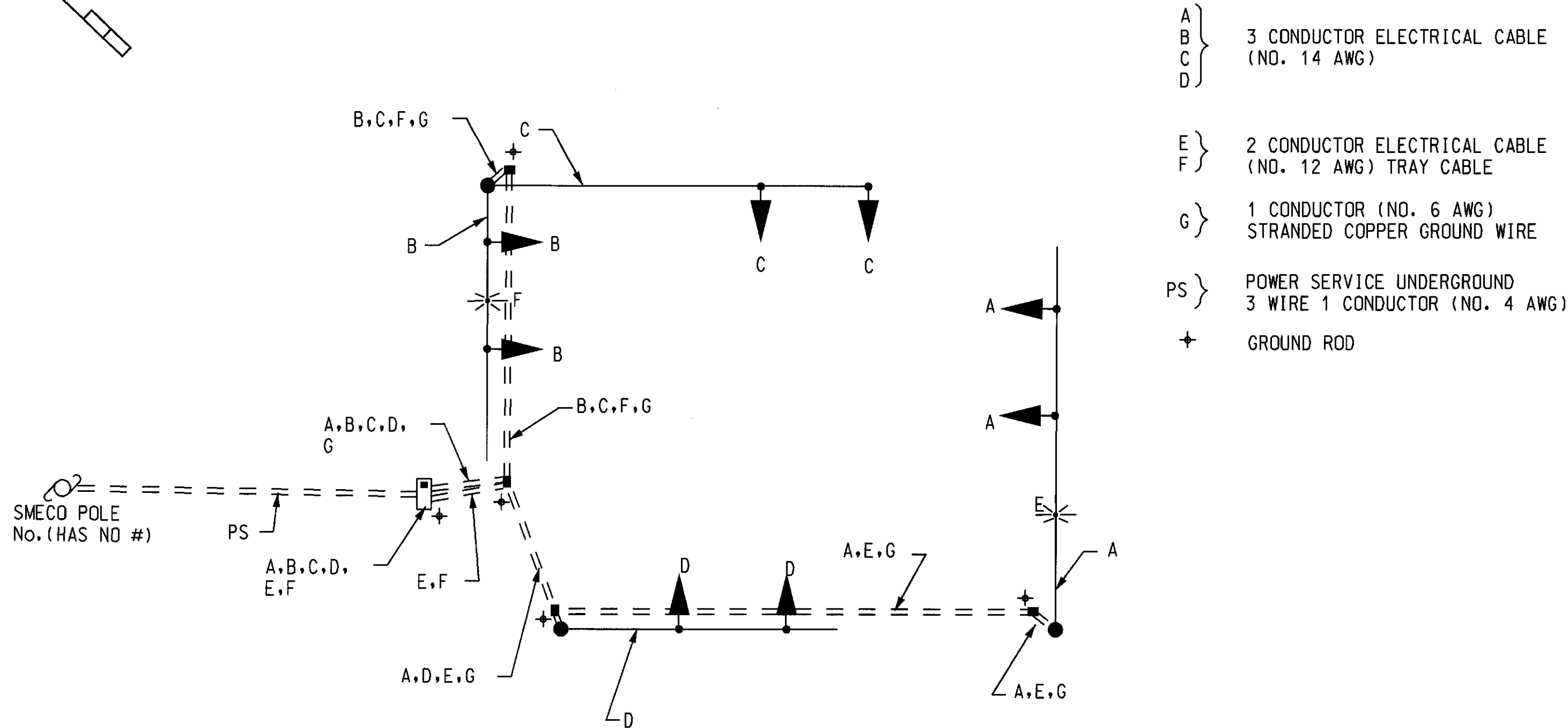
CATEGORY CODE NO.	DESCRIPTION	UNIT	QUANTITY
120500	MAINTENANCE OF TRAFFIC	EA	1
203030	TEST PIT EXCAVATION	CY	3
585624	24 INCH HEAT APPLIED WHITE PERM. PREFOR. THERMO. PAVEMENT MARKINGS	LF	60
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	14
802501	No. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	280
805118	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	150
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	100
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	205
806002	250 WATTS HPS LAMP AND LUMINAIRE WITH PHOTOCCELL	EA	2
807400	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS	EA	1
810010	F&I CABLE 1-CONDUCTOR, No. 4 AWG-THHN/THWN	LF	225
811001	F&I ELECTRICAL HANDHOLE	EA	4
813015	INSTALL OVERHEAD SIGN	SF	90
818036	STEEL SINGLE MAST ARM POLE WITH 50 FOOT MAST ARM	EA	1
818051	STEEL TWIN MAST ARM POLE WITH 50 AND 70 FOOT MAST ARMS	EA	1
818052	STEEL SINGLE MAST ARM POLE WITH 70 FOOT MAST ARM	EA	1
837001	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	5
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	8
861106	ELECTRICAL CABLE - 3 CONDUCTOR (No. 14 AWG)	LF	765
861116	ELECTRICAL CABLE - 2 CONDUCTOR (No. 12 AWG)	LF	100
866104	20 FOOT LIGHTING BRACKET ARM ON SIGNAL POLE	EA	2
871202	INSTALL CONTROLLER AND CABINET - BASE MOUNT	EA	1.

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

WIRING DIAGRAM

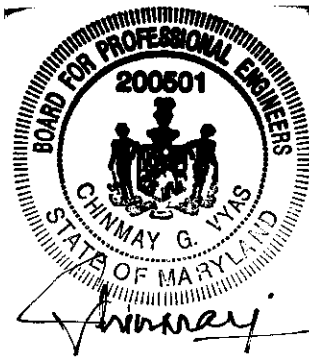
KEY



PHASE CHART

	1	2	3	4	5	6	7	8
	(Y)	(Y)	(Y)	(Y)	(R)	(R)	(R)	(R)
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

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AB CONSULTANTS, INC.
9450 ANNAPOLIS ROAD
LANHAM, MARYLAND 20706
PHONE: (301) 306 - 3091
FAX: (301) 306 - 3092

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVE
SUITE 160
BALTIMORE, MD 21227
(410) 737-8564
WWW.SABRA-WANG.COM



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
**ACTON LANE AT
WESTERN PARKWAY**

DRAWN BY: S. SMITH
CHECKED BY: S. RENZI
SCALE: 1" = 20'
DATE: 4/05

F.A.P. NO. N/A
S.H.A. NO. N/A
COUNTY: CHARLES
LOG MILE: N/A

TS NO. 4282-G1
SHEET NO. 2 OF 2
T.I.M.S. NO. F-874